

SEQUENCE LISTING

<110> Thorner, Michael O
 Gaylinn, Bruce D
 Toogood, Andrew A
 Harvey, Steve

<120> Chicken Growth Hormone Releasing Hormone Receptor

<130> 00404-02

<140>

<141>

<150> 60/138,768

<151> 1999-06-12

<150> 60/176,387

<151> 2000-01-14

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 138

<212> DNA

<213> Gallus gallus

<400> 1

cacgccgatg ggatcttcag caaagcctac aggaaactcc tgggccagct gtccgcaagg 60
 aaatacctgc actccctgat ggccaagcgg gtcggcggtg ccagcagcgg cctggggggac 120
 gaggcggaac cgctcagc

138

<210> 2

<211> 46

<212> PRT

<213> Gallus gallus

<400> 2

His Ala Asp Gly Ile Phe Ser Lys Ala Tyr Arg Lys Leu Leu Gly Gln
 1 5 10 15
 Leu Ser Ala Arg Lys Tyr Leu His Ser Leu Met Ala Lys Arg Val Gly
 20 25 30

Gly Ala Ser Ser Gly Leu Gly Asp Glu Ala Glu Pro Leu Ser
 35 40 45

<210> 3

<211> 1689

<212> DNA

<213> Gallus gallus

<400> 3

taaggaagat aaaagaatta aagtctgact ttgctttgga acacgaatcc tagcatgtca 60
 taccactgtg tcctgtacac actgactcct gcgggtgcttg ttgctgggaa tgtccatccg 120
 gaatgtgatt ttatagcaga gctgaagaaa aaggaggctg aatgcctgga gaactcagag 180
 gagcatgaga atgcaacatc aggttgcaag aaaacctggg acaaattact ctgctggcca 240
 gaggcagatg ctggagagac tcttgccctta ccttgcccag acatcctcct tcacttcatg 300
 gaagaaccag ctgggatagt aagaagaaac tgcacaaaga aaggctgggtc agagccattc 360
 ccttccctatc acattgcttg tccagttgaa gatgagattc cacttgaaga acaatcctac 420
 ttttctacga taaagatcat atataccgta ggatacagtt tgtctattac ctcaactcatt 480
 attgctgtga cagttcttat ggcattcagg aggctacgct gccccagaaa ttacatccac 540
 atacagctct tttttacttt catcttaaag gctattgccca ttttcataaa ggattctgtc 600
 cttttccaag aggaagacat tgaccattgc agcttttcta caactgaatg caagatctca 660
 gttgttttct gtcactactt catgatgacc aatttcatat ggctgctggg agaggccctt 720
 taccttaact gtctactact ctcatccctt tctcatggaa gaagatattt ctggtggctg 780
 gttctctttg gctgggggtt tccaacactt ttcacctta tatgggtatt agcaaaattc 840
 tactttgaag acacagcatg ctgggatatt aatcaagact ctccctactg gtggctaatac 900
 aaagggccta ttgtaatttc tggtgggggtc aattttgtct tatttatcaa catcatcaga 960
 attttgctga aaaaactaga tccatagacaa atcaacttca ataactcatc tcagtacaga 1020
 cgcctctcaa ggtcaactct gcttctaatt ccattatttg gaaccatta tattgtcttc 1080
 aacttccttc cggaatatac cagccttggtc attcggcttt atttagagct ctgcattgga 1140
 tcttttcagg ggtttattgt agcactcctc tactgtttcc tgaaccaaga ggtgcaaacy 1200
 gaaatagggtc ggagatggca cggtaagaga tatggactta tgccagtttg gagaaggaca 1260
 agatggactg tgccaaccag ttctggagta aaaatgaata catctgtgtg cttaaagacaa 1320
 cctccgaatc tggagtaatc acaataataa gcctgggttag ggaaaacaaa caacaacaga 1380
 aaatccttaa caatgacagt ttactgagag caaattggag gaaaatttct gcagaaattc 1440
 tgcccaccag ctatctcttg ctttacaagt gctgaagtga tggattgact gactgtccga 1500
 ttaaaatcgc cctttcatgg gctattacaa cacagcaaat gcagatattg cctctttttc 1560
 attccctgtc catactctct tactaatgaa ctgtatagca taatgtgtca gggagtgggc 1620
 accaggagca cccttcagtg acaccataga tcgccagctc tggaaatgaa tactcagtct 1680
 tcacacaga 1689

<210> 4
 <211> 419
 <212> PRT
 <213> Gallus gallus

<400> 4
 Met Ser Tyr His Cys Val Leu Tyr Thr Leu Thr Leu Ala Val Leu Val
 1 5 10 15
 Ala Gly Asn Val His Pro Glu Cys Asp Phe Ile Ala Glu Leu Lys Lys
 20 25 30
 Lys Glu Ala Glu Cys Leu Glu Asn Ser Glu Glu His Glu Asn Ala Thr
 35 40 45
 Ser Gly Cys Lys Lys Thr Trp Asp Lys Leu Leu Cys Trp Pro Glu Ala
 50 55 60
 Asp Ala Gly Glu Thr Leu Ala Leu Pro Cys Pro Asp Ile Leu Phe His
 65 70 75 80
 Phe Met Glu Glu Pro Ala Gly Ile Val Arg Arg Asn Cys Thr Lys Lys
 85 90 95
 Gly Trp Ser Glu Pro Phe Pro Ser Tyr His Ile Ala Cys Pro Val Glu
 100 105 110
 Asp Glu Ile Pro Leu Glu Glu Gln Ser Tyr Phe Ser Thr Ile Lys Ile
 115 120 125
 Ile Tyr Thr Val Gly Tyr Ser Leu Ser Ile Thr Ser Leu Ile Ile Ala
 130 135 140
 Val Thr Val Leu Met Ala Phe Arg Arg Leu Arg Cys Pro Arg Asn Tyr
 145 150 155 160
 Ile His Ile Gln Leu Phe Phe Thr Phe Ile Leu Lys Ala Ile Ala Ile
 165 170 175
 Phe Ile Lys Asp Ser Val Leu Phe Gln Glu Glu Asp Ile Asp His Cys
 180 185 190
 Ser Phe Ser Thr Thr Glu Cys Lys Ile Ser Val Val Phe Cys His Tyr
 195 200 205
 Phe Met Met Thr Asn Phe Ile Trp Leu Leu Val Glu Ala Leu Tyr Leu
 210 215 220
 Asn Cys Leu Leu Leu Ser Ser Leu Ser His Gly Arg Arg Tyr Phe Trp
 225 230 235 240
 Trp Leu Val Leu Phe Gly Trp Gly Phe Pro Thr Leu Phe Thr Phe Ile
 245 250 255
 Trp Val Leu Ala Lys Phe Tyr Phe Glu Asp Thr Ala Cys Trp Asp Ile
 260 265 270

Asn Gln Asp Ser Pro Tyr Trp Trp Leu Ile Lys Gly Pro Ile Val Ile
 275 280 285
 Ser Val Gly Val Asn Phe Val Leu Phe Ile Asn Ile Ile Arg Ile Leu
 290 295 300
 Leu Lys Lys Leu Asp Pro Arg Gln Ile Asn Phe Asn Asn Ser Ser Gln
 305 310 315 320
 Tyr Arg Arg Leu Ser Arg Ser Thr Leu Leu Leu Ile Pro Leu Phe Gly
 325 330 335
 Thr His Tyr Ile Val Phe Asn Phe Leu Pro Glu Tyr Thr Ser Leu Gly
 340 345 350
 Ile Arg Leu Tyr Leu Glu Leu Cys Ile Gly Ser Phe Gln Gly Phe Ile
 355 360 365
 Val Ala Leu Leu Tyr Cys Phe Leu Asn Gln Glu Val Gln Thr Glu Ile
 370 375 380
 Gly Arg Arg Trp His Gly Lys Arg Tyr Gly Leu Met Pro Val Trp Arg
 385 390 395 400
 Arg Thr Arg Trp Thr Val Pro Thr Ser Ser Gly Val Lys Met Asn Thr
 405 410 415
 Ser Val Cys

<210> 5

<211> 23

<212> PRT

<213> Gallus gallus

<400> 5

Ser Lys Ala Tyr Arg Lys Leu Leu Gly Gln Leu Ser Ala Arg Leu Tyr 1
 5 10 15

Leu His Ser Leu Met Ala Lys 20

<210> 6

<211> 1260

<212> DNA

<213> Gallus gallus

<400> 6

atgtcatacc actgtgtcct gtacacactg actcttgccg tgcttggtgc tgggaatgtc 60
 catccggaat gtgattttat agcagagctg aagaaaaagg aggctgaatg cctggagAAC 120
 tcagaggagc atgagaatgc aacatcaggt tgcaagaaaa cctgggacaa attactctgc 180
 tggccagagg cagatgctgg agagactctt gccttacctt gccagacat cctctttcac 240
 ttcattggaag aaccagctgg gatagtaaga agaaactgca caaagaaagg ctggtcagag 300
 ccattccctt cctatcacat tgcttggtcca gttgaagatg agattccact tgaagaacaa 360
 tctacttttt ctacgataaa gatcatatat accgtaggat acagtttgtc tattacctca 420
 ctcatatttg ctgtgacagt tcttatggca ttcaggaggc tacgctgcc cagaaattac 480
 atccacatac agctcttttt tactttcatc ttaaaggcta ttgccatttt cataaaggat 540
 tctgtccttt tccaagagga agacattgac cattgcagct tttctacaac tgaatgcaag 600
 atctcagttg ttttctgtca ctacttcatg atgaccaatt tcatatggct gctggttagag 660
 gccctttacc ttaactgtct actactctca tccctttctc atggaagaag atatttctgg 720
 tggtctggtc tctttggtg gggttttcca acacttttca cctttatatg ggtattagca 780
 aaattctact ttgaagacac agcatgctgg gatattaatc aagactctcc ttactggtgg 840
 ctaatcaaag ggcctattgt aatttctggt ggggtcaatt ttgtcttatt tatcaacatc 900
 atcagaattt tgctgaaaaa actagatcct agacaaatca acttcaataa ctcattctcag 960
 tacagacgcc tctcaaggtc aactctgctt ctaattccat tatttggAAC ccattatatt 1020
 gtcttcaact tccttcgga atataccagc cttggcattc ggctttattt agagctctgc 1080
 attggatctt ttcagggggt tattgttagca ctcctctact gtttcttgaa ccaagagggtg 1140
 caaacggaaa taggtcggag atggcacggt aagagatatg gacttatgcc agtttggaga 1200
 aggacaagat ggactgtgcc aaccagttct ggagtaaaaa tgaatacatc tgtgtgctaa 1260